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APPLICATION NO	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
10/073,674	02/11/2002	Christina Lampe-Onnerud	3243.1001-001	4577	
21005	7590 06/03/2004		EXAM	EXAMINER	
HAMILTON, BROOK, SMITH & REYNOLDS, P.C.			RUTHKOSK	RUTHKOSKY, MARK	
530 VIRGINI	A ROAD				
P.O. BOX 913	3		ART UNIT	PAPER NUMBER	
CONCORD.	MA 01742-9133		1745		

DATE MAILED: 06/03/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

5	Application No.	Applicant(s)	
	10/073,674	LAMPE-ONNERUD Art Unit	
Office Action Summary	Examiner		
	Mark Ruthkosky	1745	
The MAILING DATE of this communication for Reply	on appears on the cover sheet w	ith the correspondence addre	ss
A SHORTENED STATUTORY PERIOD FOR I THE MALLING DATE OF THIS COMMUNICATION Electrons of two maybe a switched under the provision of 37 if the period is one may be a switched under the provision of 37 if the period for regity specified above is less than Evry (00) and if the period for regity specified above is less than Evry (00) and if the Opposed for regity signified above, the measures under if the Opposed for regity signified above, the measures under a final six regity within the extra described period for regity six (1) and the six of the common period for regity six (1) and the six of the common period for regity six (1) and the six of the common period for regity six (1) and the six of the common period for regity six (1) and the six of the common period for regit six (1) and the six of the common period for regity six (1) and the	TON. CFR 1.136(a). In no event, however, may a len. s, a reply within the statutory mismum of this period will apply and will expres SIX (6) MOI visitatic, excee the application to become A	reply be timely filed by (30) days will be considered timely. WHS from the making date of this comm BANDONED GIS U.S.C. 6 133).	unication.
Status			
1) Responsive to communication(s) filed or	15 March 2004.		
	This action is non-final.		
3) Since this application is in condition for a	llowance except for formal mat	ters, prosecution as to the m	erits is
closed in accordance with the practice u			
Disposition of Claims			
4)⊠ Claim(s) 1-23 is/are pending in the applic	cation.		
4a) Of the above claim(s) 13-23 is/are with	thdrawn from consideration.		
Claim(s) is/are allowed.			
 Claim(s) 1-12 is/are rejected. 			
7) Claim(s) 1-12 is/are objected to.			
8) Claim(s) are subject to restriction	and/or election requirement.		
Application Papers			
9) The specification is objected to by the Ex	aminer.		
10) The drawing(s) filed on 10 June 2002 is/a	re: a)⊠ accepted or b)□ obje	cted to by the Examiner.	
Applicant may not request that any objection	to the drawing(s) be held in abeya	nce. See 37 CFR 1.85(a).	
Replacement drawing sheet(s) including the	correction is required if the drawing	(s) is objected to. See 37 CFR 1	1.121(d).
11) The oath or declaration is objected to by	the Examiner. Note the attache	d Office Action or form PTO-	152.
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for for a limit All b) Some * c) None of:	oreign priority under 35 U S.C.	119(a)-(d) or (f).	
a) None of: Certified copies of the priority docu			
2. Certified copies of the priority docu			
 Copies of the certified copies of the 	e priority documents have been	received in this National Sta	ge

application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Office Action Summary

Attachment(s)

4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
5) Notice of Informal Patent Application (PTO-152) 6) Other:

DETAILED ACTION

Information Disclosure Statement

The information disclosure statements filed 6/10/2002 and 1/20/2004 have been placed in the application file, and the information referred to therein has been considered as to the merits.

Election/Restrictions

Claims 13-23 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim. Election was made without traverse in Paner No. 3/15/2004.

Drawings

The drawings filed on 6/10/2002 have been approved.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-12 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The claims use the language "less than about" and "greater than about." These phrases are indefinite as "less than" and "greater than" define a clear end point to a range, which the claimed variable cannot exceed. The word "about" contradicts this defined end point. The

word about indicates that the variable x (less than about 1.3 in claim 1 for example) can actually be greater than 1.3 or the variable y (greater than about 0.0 in claim 1 for example) can actually be equal to or less than 0.0. Phrases that include indefinite end points of this type are shown to be indefinite in section 2173.05 of the MPEP wherein the phrase "at least about" is held indefinite.

Further, claim 11 (which depends from claim 1) includes a composition, which does not include a representative for M'. M' is a positively recited limitation in the claim. Removing this element from a composition that requires the element is indefinite.

Claim Objections

Claim 11 objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim. Applicant is required to cancel the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form, or rewrite the claim(s) in independent form. M' is a positively recited limitation in the claim 1. Claim 11 does not include this element in the composition. Removing this element from the composition.

Claim Rejections - 35 USC & 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) as application for patent, published under section 122(b), by another find in the United States forther the invention by the applicant for patent or (2) a patent grained on an application for patent by another filled in the United States before the invention by the applicant for patent, except that an international application filled under the rest deficient accessful as 3(4) shall have the effects for purposes of this subsection of an application filled in the United States only if the international application discussed the United States and was published under Article 2(10) of such retary in the English Language.

Claims 1-6 and 8-11 are rejected under 35 U.S.C. 102(b) as being anticipated by Kitano (JP 2000-149.950.)

The instant claims are to a composition comprising a core with the formula.

Li_xM'₂Ni_{1-y}M''_yO₂

as claimed, and a coating on the core having a greater ratio of Co:Ni than the core.

Kitano (JP 2000-149,950) teaches a composition comprising a core with the formula,
Li,M',Ni₁,M'',O; (05\cdot 25,05\cdot 5) with N being a metal excluding N and Co. Examples
of metals used for the variable M include Mg and Mn. The material has a magnesium-cobaltlithium coating on the core inherently having a greater ratio of Co:Ni than the core as no Ni is in
the coating. For the purposes of examination, the use of the term "about" includes a range
encompassed by the ranges of the reference. With regard to the rejections under 35 U.S.C. 112,
the amount of each material does not appear to be necessary in each claim due to amounts of
zero and thus, the reference reads upon the claim. Thus, the claims are anticipated.

Claims 1-5 and 9-11 are rejected under 35 U.S.C. 102(b) as being anticipated by Toatsu (JP 09-50810.)

Toatsu (JP 09-50810) teaches a composition comprising a core with the formula, Li,Ni,N,O₂ (0.8<x<1.2, 0.8<y+z<1.2 and 0<z<0.2) with N being a metal including Co. The material has a lithium-cobalt-oxide coating on the core including a small amount of nickel. The

coating will therefore have a greater ratio of Co:Ni. For the purposes of examination, the use of the term "about" includes a range encompassed by the ranges of the reference. With regard to the rejections under 35 U.S.C. 112, the amount of each material does not appear to be necessary in each claim due to amounts of zero and thus, the reference reads upon the claim. Thus, the claims are anticipated.

Claims 1-5 and 7-12 are rejected under 35 U.S.C. 102(b) as being anticipated by Koji (JP 11-067,209.)

Koji (JP 11-067,209) teaches a composition comprising a core with the formula, Li_{ve}.

1.2Ni_[1:3+v:]Co_{bol 1.6} Mn-0.054,1 Ma-0.0402 with M being a metal including B. The material has a lithium-coball-oxide coating on the core. Nickel is not included. The coating will therefore have a greater ratio of Co:Ni. For the purposes of examination, the use of the term "about" includes a range encompassed by the ranges of the reference. With regard to the rejections under 35 U.S.C.

112, the amount of each material does not appear to be necessary in each claim due to amounts of zero and thus, the reference reads upon the claim. Thus, the claims are anticinated.

Examiner Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark Ruthkosky whose telephone number is 571-272-1291. The examiner can normally be reached on FLEX schedule (generally, Monday-Thursday from 9:00-6:30.) If attempts to reach the examiner by telephone are unsuccessful, the examiner's Application/Control Number: 10/073,674

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supervisor, Patrick Ryan can be reached at 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (BEC) at 866-217-9197 (foll-free.)

> Mark Ruthkosky Primary Patent Examiner Art Unit 1745 MM RHHM

> > 5/21/04